

## Fmoc-PEG2-C2-NHS ester

## Chemical Properties

CAS No. : 1807534-85-5

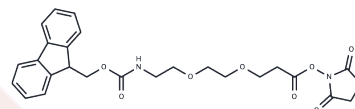
Formula: C<sub>26</sub>H<sub>28</sub>N<sub>2</sub>O<sub>8</sub>

Molecular Weight: 496.51

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|                            |  |
|----------------------------|--|
| Description                | Fmoc-PEG2-CH <sub>2</sub> CH <sub>2</sub> -NHS ester is a polyethylene glycol (PEG)-based linker constructed for the synthesis of proteolysis targeting chimeras (PROTACs).  |
| Targets(IC <sub>50</sub> ) | Others,PROTAC Linker   |
| In vitro                   | PROTACs consist of two ligands linked by a connector: one ligand binds to an E3 ubiquitin ligase, while the other targets a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively induce the degradation of target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0141 mL | 10.0703 mL | 20.1406 mL |
| 5 mM  | 0.4028 mL | 2.0141 mL  | 4.0281 mL  |
| 10 mM | 0.2014 mL | 1.007 mL   | 2.0141 mL  |
| 50 mM | 0.0403 mL | 0.2014 mL  | 0.4028 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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